

Message Text

CONFIDENTIAL

PAGE 01 STATE 094153

17

ORIGIN OC-05

INFO OCT-01 ISO-00 CCO-00 /006 R

DRAFTED BY A/OC-N:JWJACARUSO:KLH

APPROVED BY A/OC:WENAEHER

OC/S:GAGETMAN(DRAFT)

----- 023127

R 232321Z APR 75

FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW

C O N F I D E N T I A L STATE 094153

E.O. 11652:GDS.

TAGS: ACOM, US, UR

SUBJECT: FAULTY DCL CIPHER EQUIPMENT

REF: MOSCOW 4094

1. THE DCL CODER-12 UNIT MADE AVAILABLE TO THE MANUFACTURER(SIEMENS) WAS TESTED AT THEIR MUNICH PLANT. RESULTS DID CONFIRM FINDINGS CONTAINED SOVIET REPORT TO EMBASSY EARLIER. SOME MISADJUSTED EQUIPMENT SUCH AS TRANSMISSION DISTRIBUTOR AND RESISTOR R163 ON TELEGRAPH RELAY ER WERE READJUSTED.

2. REPORT FROM SIEMENS ADVISES:

(A) MOTOR SUBASSEMBLIES IN CODER 12 EQUIPPED WITH MOTOR TYPE MEC 9, 1-2 E 3 K AND SOME WITH SUCCESSOR TYPE 1BF 3630-2TK RESULTED IN POWER INCREASE OF MOTOR.

(B) ORDER TO ADHERE TO NORM FOR DISTORTION OF TRANSMITTED TELEGRAPH SIGNAL OF LESS THAN 5 PERCENT ALSO IN OPEN TEXT TRANSMISSION, FC-12 CODERS EQUIPPED WITH MOTOR TYPE 1BF 3630-2TK WILL NEED TO BE MODIFIED.

CONFIDENTIAL

CONFIDENTIAL

PAGE 02 STATE 094153

(C) A RESISTOR 300 OHMS, 20 WATT SHOULD BE INSTALLED IN

THE MOTOR SUBASSEMBLIES AND PUT IN SERIES TO MOTOR MAIN WINDING BETWEEN CONNECTING POINT 5 AND V.

(D) LABEL DEPICTING TYPE AND SERIAL NUMBER FIXED ON THE MOTOR APPEARS WHEN THE COVER PROVIDED ON THE MOTOR SUBASSEMBLY AND THE ANGLE FIXED BY 2 SOCKET HEAD SCREWS ABOVE THE MOTOR ARE DISMANTLED.

3. TESTS DETERMINED REPLACEMENT OF EXISTING CAPACITOR C-23 BY CAPACITOR 0.5 MICROFARAD, A MODIFICATION RECOMMENDED BY THE SOVIETS DID NOT ASSURE SUFFICIENT SPARK SUPPRESSION OVER LONG PERIOD OF OPERATION. MODIFICATION DESCRIBED PARA 2(C) ABOVE, NEEDS TO BE MADE TO THOSE UNITS WITH 1BF 3630-2TK MOTOR UNITS.

4. WE HAVE MADE THIS MODIFICATION TO OUR CODER-12 UNITS THAT NEED IT. WE ARE NOW RUNNING TESTS. WILL DO SO FOR LONGER PERIOD SO THAT WE MAY DETERMINE IF RECOMMENDED MODIFICATION SATISFACTORY AND WE CAN ENDORSE AS A PERMANENT SOLUTION.

5. AS SOON AS TESTS ARE COMPLETED - WE WILL ADVISE YOU OF OUR FINDING AND COURSE OF ACTION NEEDED TO MAKE MODIFICATIONS TO CODER-12 UNITS NOW HELD BY SOVIETS. IN MEANTIME, SOVIETS SHOULD VERIFY THAT ALL UNITS WHICH EXHIBIT SIMILAR "DEFECTIVE" SYMPTOMS ACTUALLY CONTAIN ONE OF THE MOTOR UNITS DESCRIBED IN PARA 2.A.

6. BELIEVE FOREGOING SHOULD BE SUFFICIENT DATA ENABLE EMBASSY ADVISE MASHPRIBORINTORG STATUS CODER-12. KISSINGER

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 23 APR 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: ellisoob
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975STATE094153
Document Source: CORE
Document Unique ID: 00
Drafter: N:JWJACARUSO:KLH
Enclosure: n/a
Executive Order: GS
Errors: N/A
Film Number: D750144-0010
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1975/newtext/t19750423/aaaaavhs.tel
Line Count: 91
Locator: TEXT ON-LINE, ON MICROFILM
Office: ORIGIN OC
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 75 MOSCOW 4094
Review Action: RELEASED, APPROVED
Review Authority: ellisoob
Review Comment: n/a
Review Content Flags:
Review Date: 30 MAY 2003
Review Event:
Review Exemptions: n/a
Review History: RELEASED <30 MAY 2003 by CunninFX>; APPROVED <07 OCT 2003 by ellisoob>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
05 JUL 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: FAULTY DCL CIPHER EQUIPMENT
TAGS: ACOM, US, UR
To: MOSCOW
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 05 JUL 2006